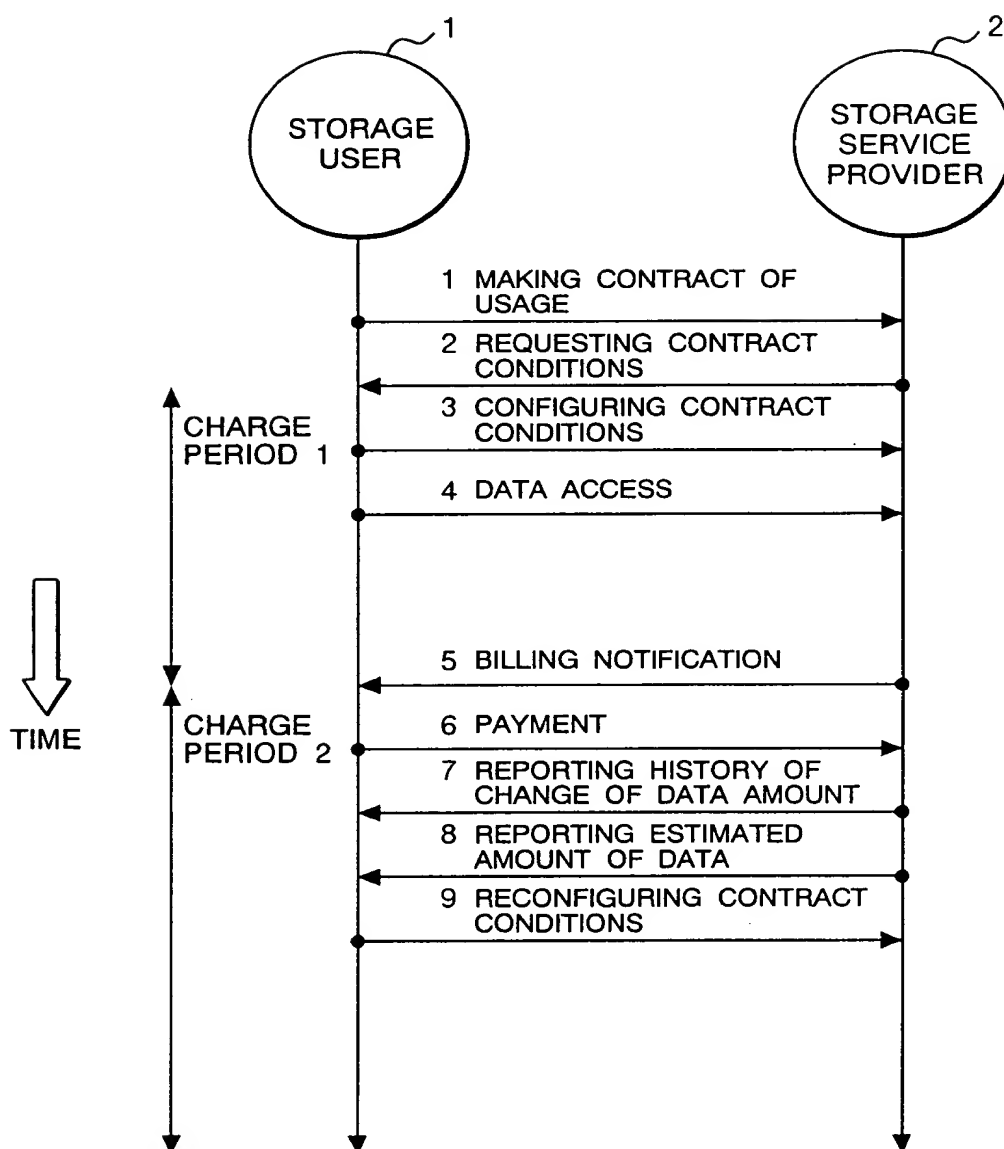


[illegible]

2/34

FIG. 2



3/34

FIG. 3

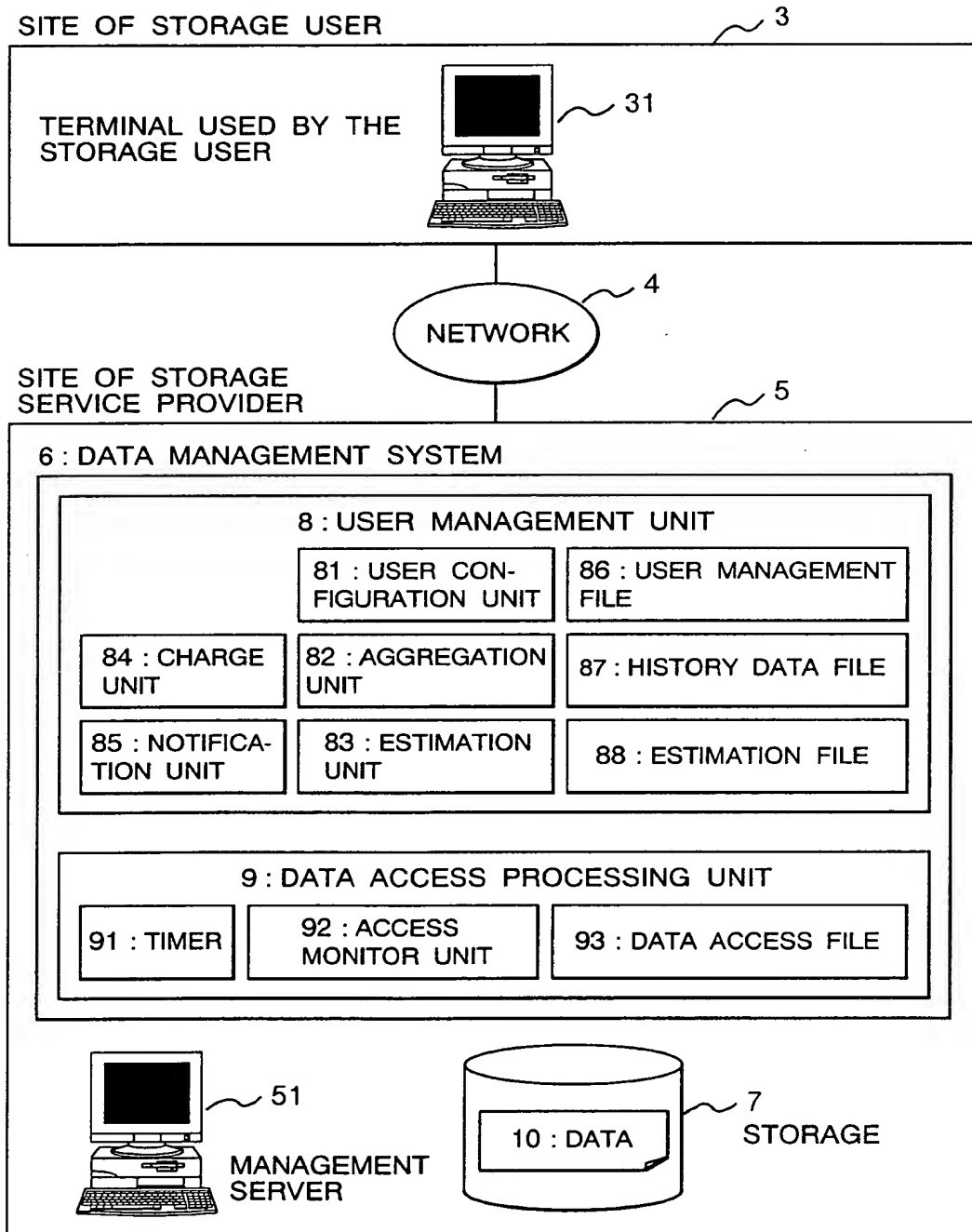


FIG. 3

FIG. 4

93 : DATA ACCESS FILE

STORAGE AREA	NAME OF DATA	AMOUNT OF DATA	ACCESS FREQUENCY	USER IDENQUENCY
1	1	300GB	100 TIMES	A
1	2	200GB	100 TIMES	B
1	3	200GB	100 TIMES	C
2	4	200GB	10TIMES	D
⋮	⋮	⋮	⋮	⋮

00010030 00001000

FIG. 5

86 : USER MANAGEMENT FILE

USER IDENTIFIER	BILLING METHOD	AMOUNT CON-TRACTED	ESTIMATION CONTRACT	BILLING PERIOD	AMOUNT TO BE REPORTED	AMOUNT ESTIMATED
A	FIXED	300GB	YES	MONTHLY	200GB	300GB
B	FIXED	200GB	NO	MONTHLY	200GB	500GB
C	SPECIFIC	30000 YEN	YES	MONTHLY	30000 YEN	30000 YEN
D	SPECIFIC	20000 YEN	NO	WEEKLY	10000 YEN	10000 YEN
⋮	⋮	⋮	⋮	⋮	⋮	⋮

TABLE 86 : USER MANAGEMENT FILE

FIG. 6

87 : HISTORY DATA FILE

USER IDENTIFIER	DATA	STORAGE AREA	NAME OF DATA	AMOUNT OF DATA
A	2000/01/1	1	1	100GB
A	2000/01/2	1	1	100GB
A	2000/01/3	1	1	110GB
A	2000/01/4	1	1	115GB
:	:	:	:	:

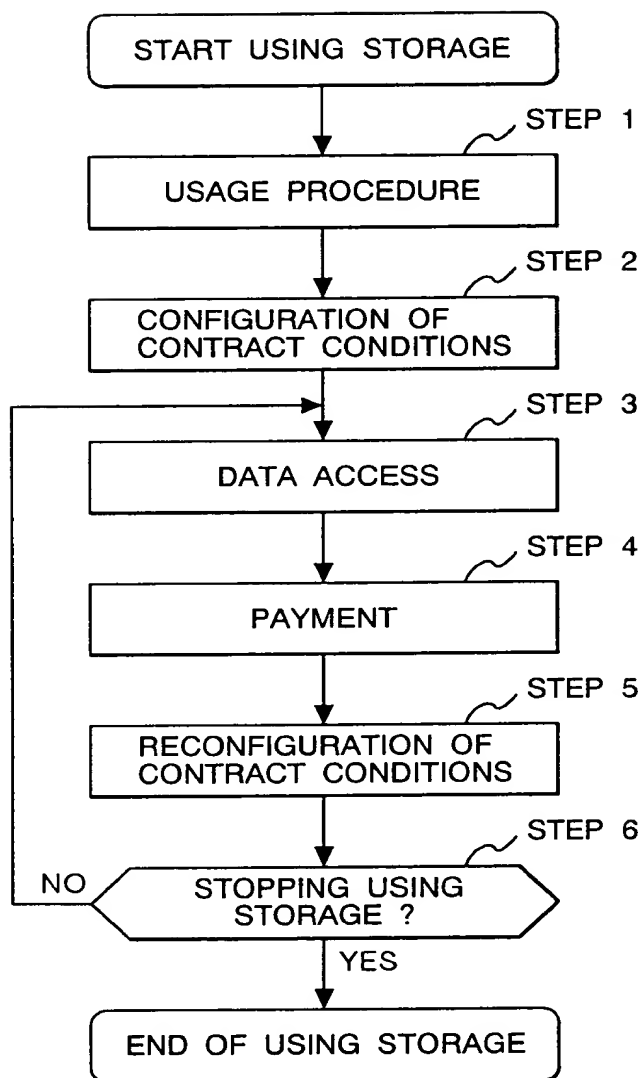
FIG. 7

88 : ESTIMATION FILE

USER IDENTIFIER	APPROXIMATE FORMULA	DATA ESTIMATION FOR NEXT BILLING DATA	DATE THAT CONTRACTED STORAGE BECOMES FULL	DATE THAT AMOUNT GAINED THE NOTIFICATION AMOUNT
A	$D=aT+b$	300GB	2001/02/15	2001/02/10
B	$D=cT+d$	500GB	2001/12/07	2001/12/07
C	$D=eT+g$	300GB	2001/03/20	2001/02/15
D	$D=hT+i$	200GB	2001/07/12	2001/05/03
:	:	:	:	:

FIG. 7

FIG. 8



10/34

FIG. 10

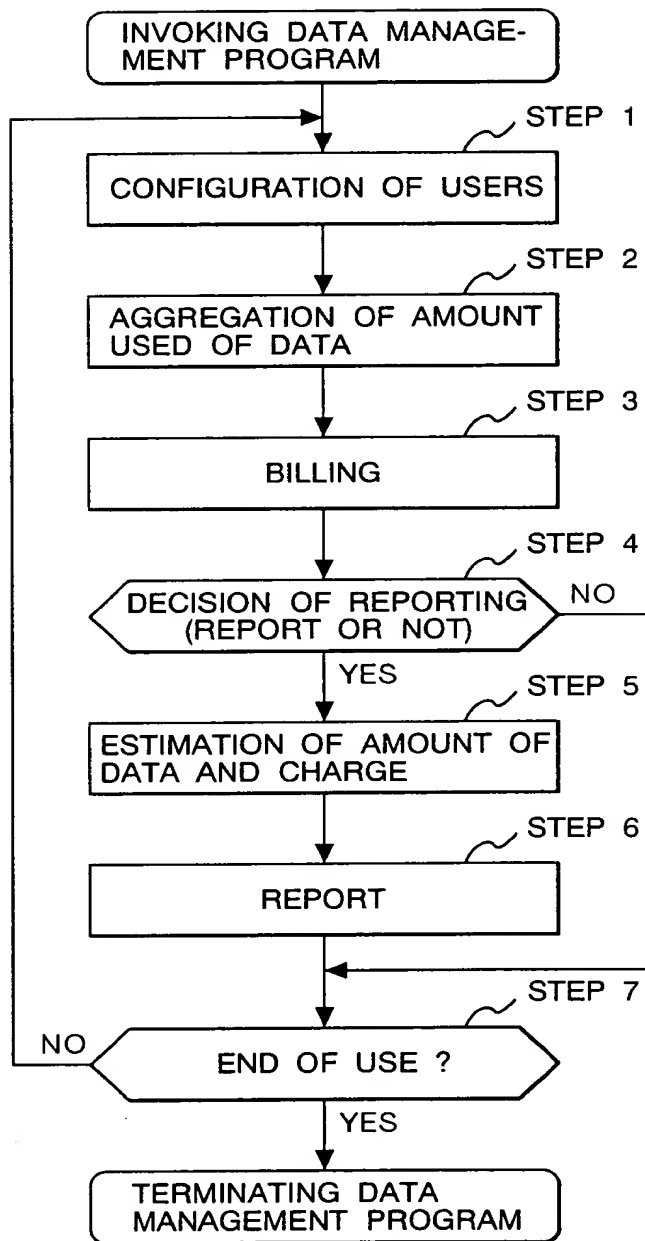
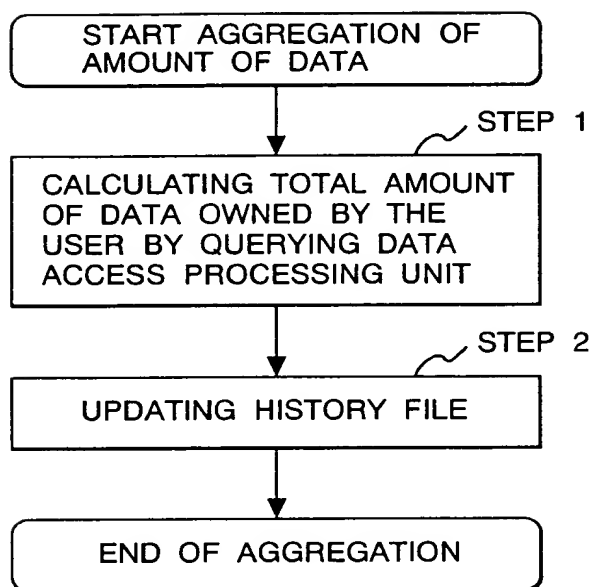


FIG. 12



00010030-000001

FIG. 13

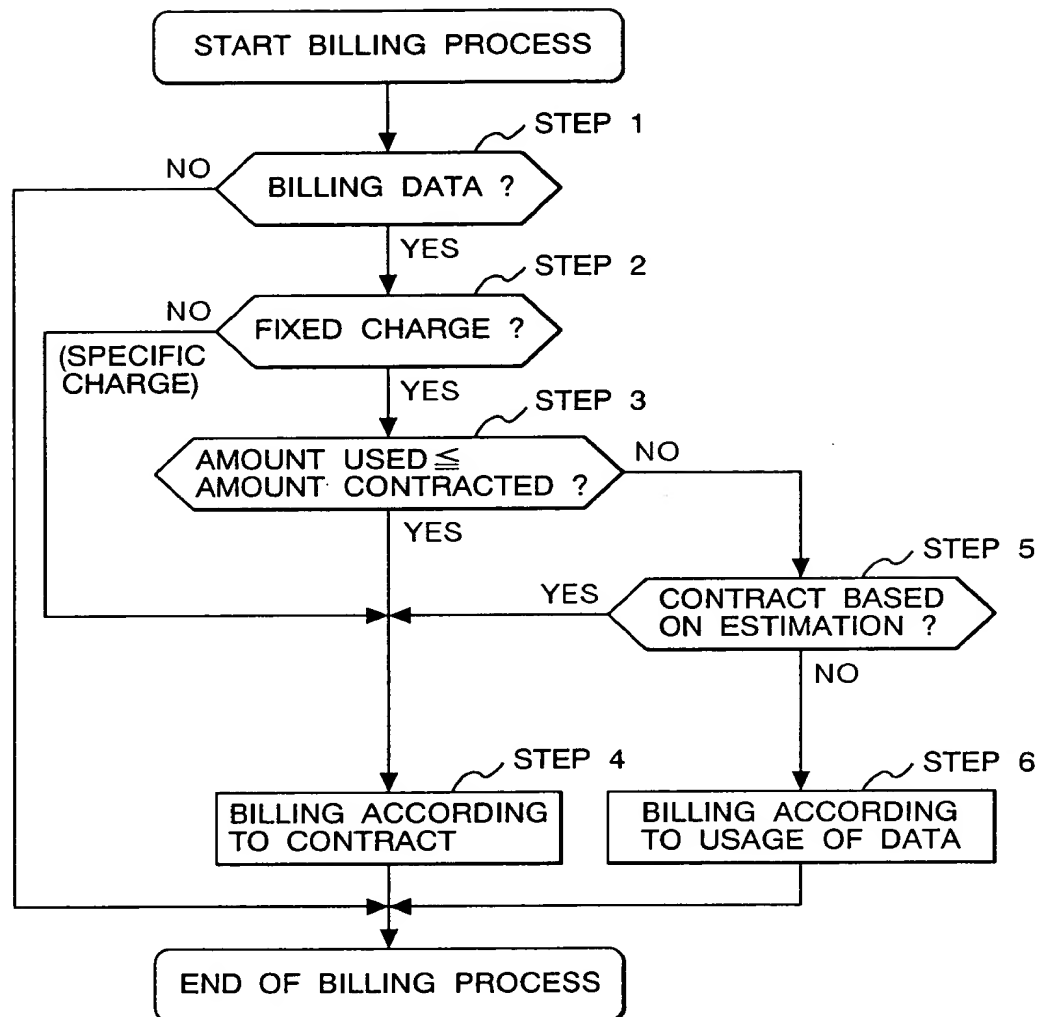


FIG. 14

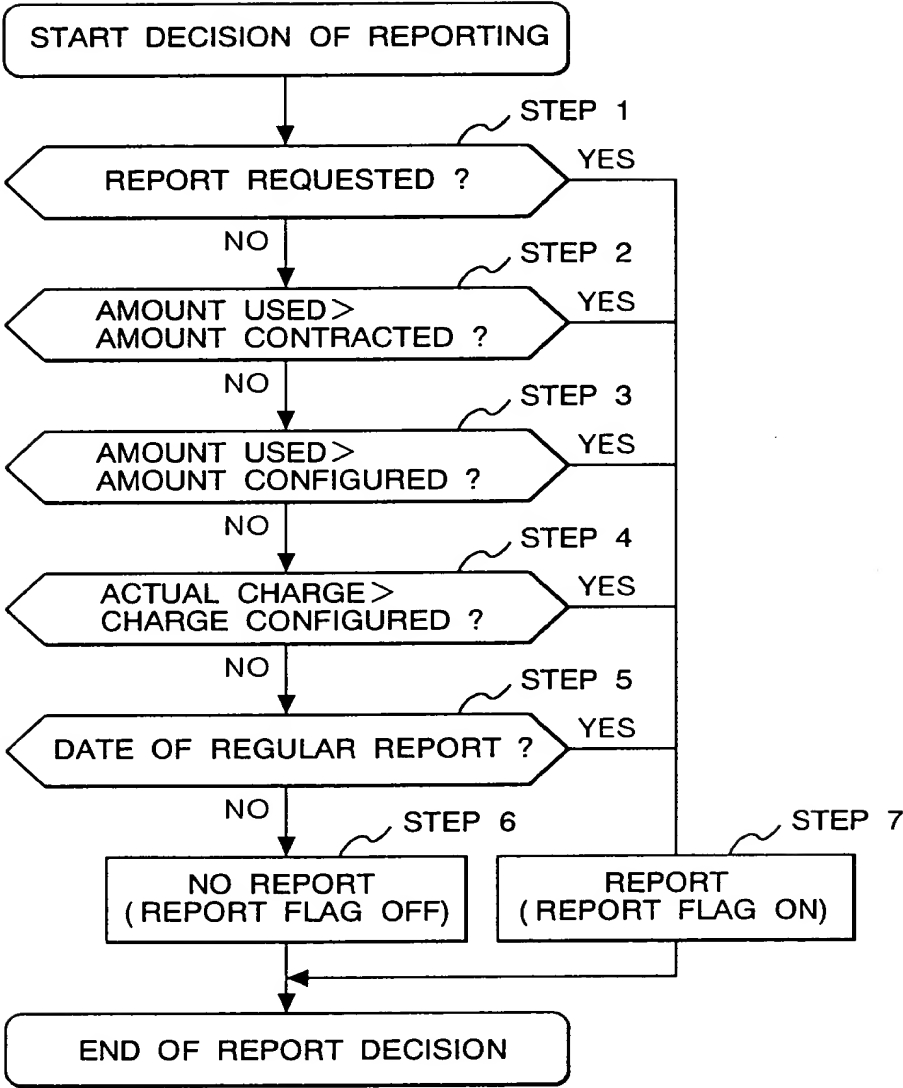


FIG. 14

FIG. 15

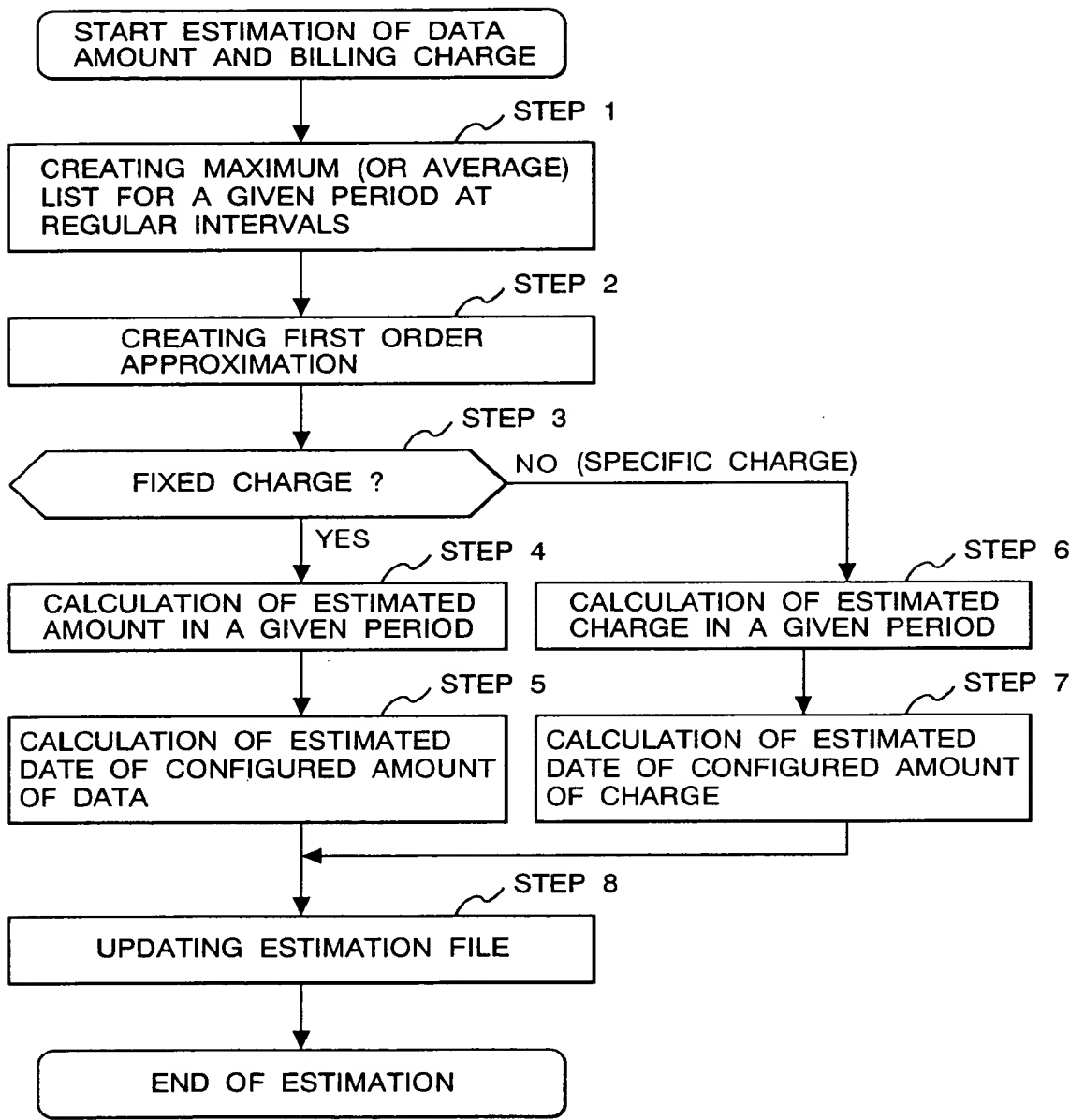


FIG. 15

16/34

FIG. 16

260

MENU 1

MENU 2

MENU 3

MENU 4

USER REGISTRATION

2601

USER NAME

2602

A

2603

BILLING METHOD

2604
FIXED

2605
SPECIFIC

2606

AMOUNT CONTRACTED

2607
300GB

2608
30000 YEN

2609

AMOUNT TO BE REPORTED

2610
200GB

2611
25000 YEN

2612

OPTION FOR EXCESS AMOUNT

2613
AVAIL-
ABLE

2614
UNAVAIL-
ABLE

2615

TERMINATE CONFIGURATION ?

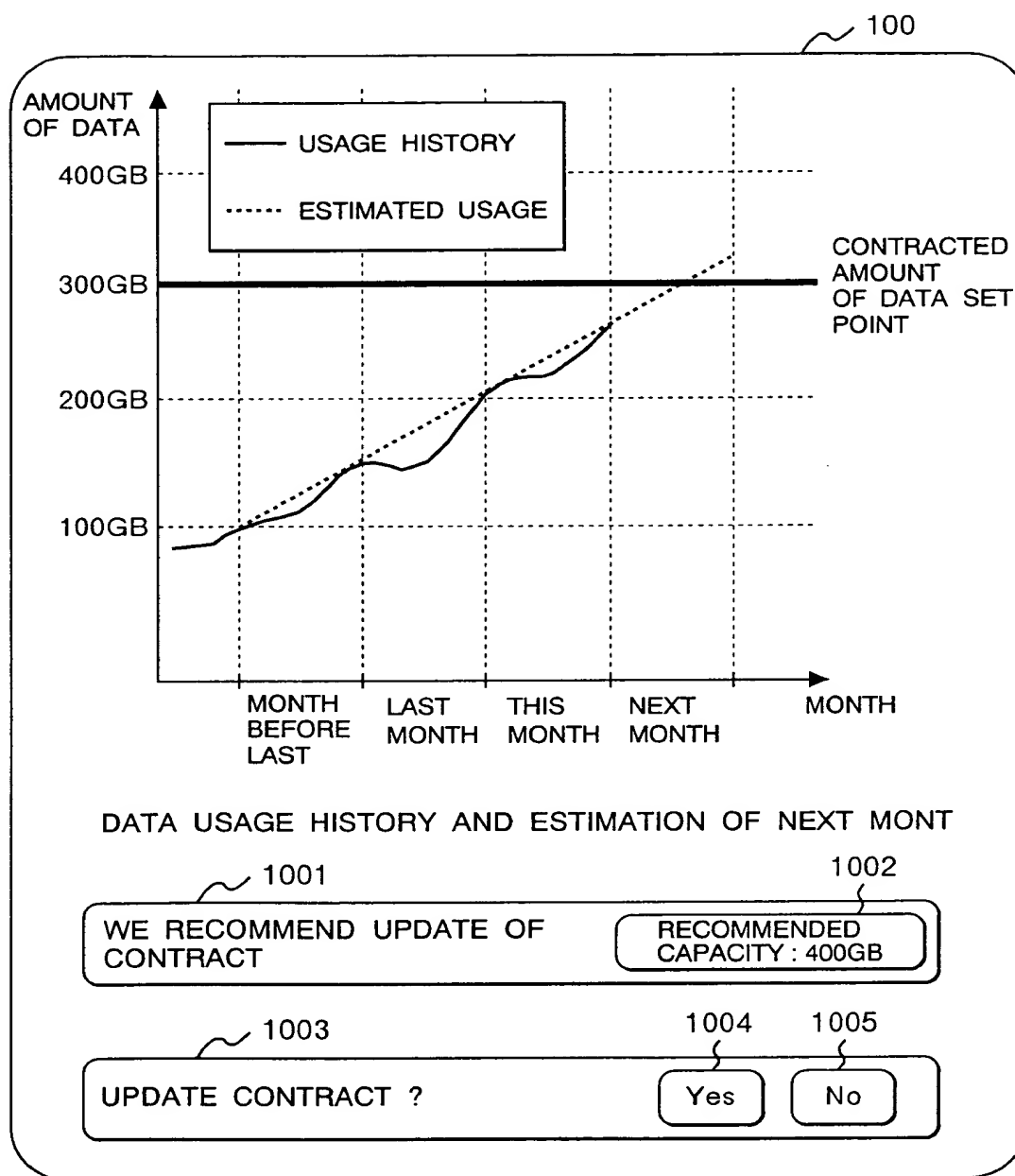
2616
Yes

2617
No

FIG. 16

17/34

FIG. 17



18/34

FIG. 18

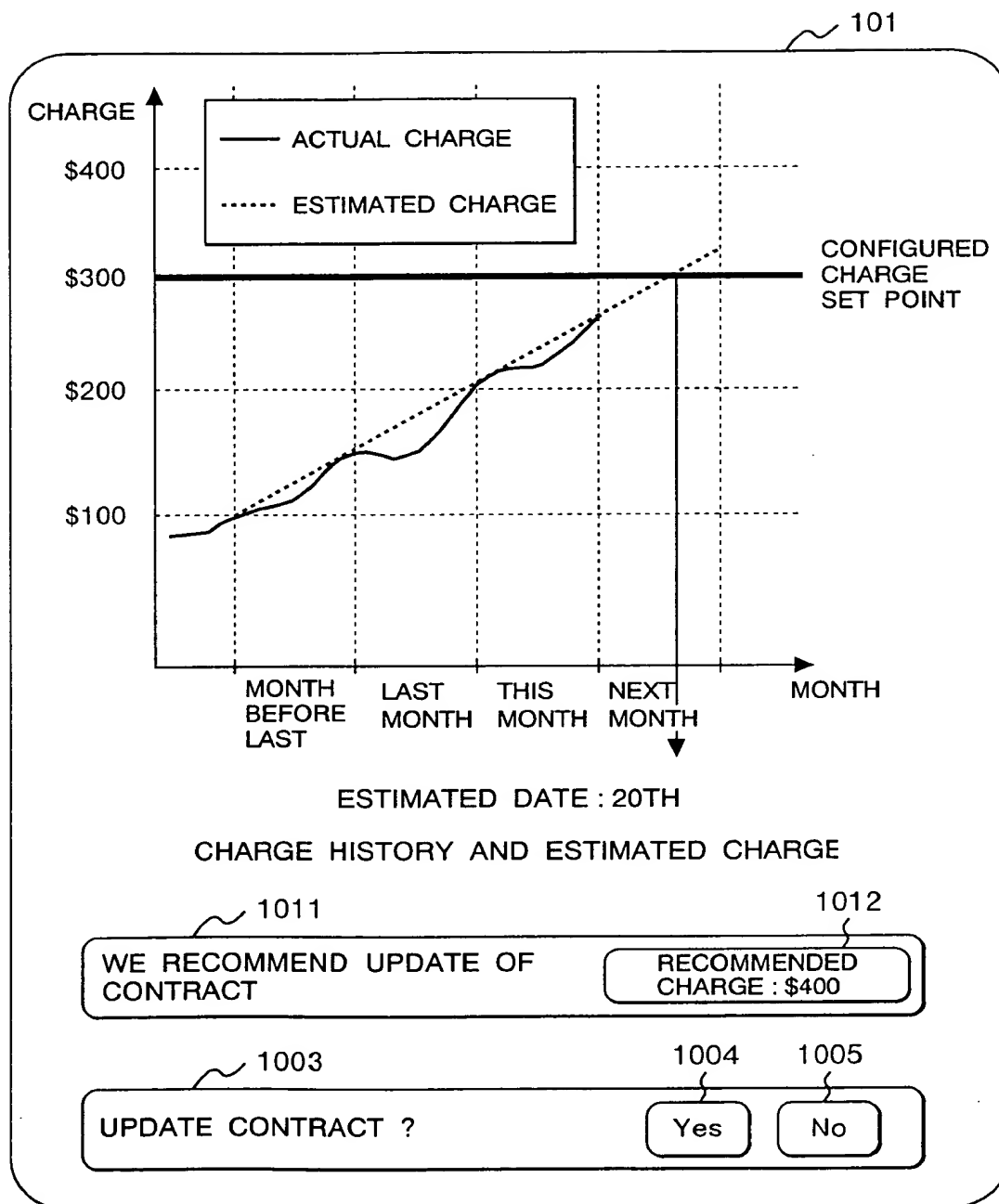


FIG. 19

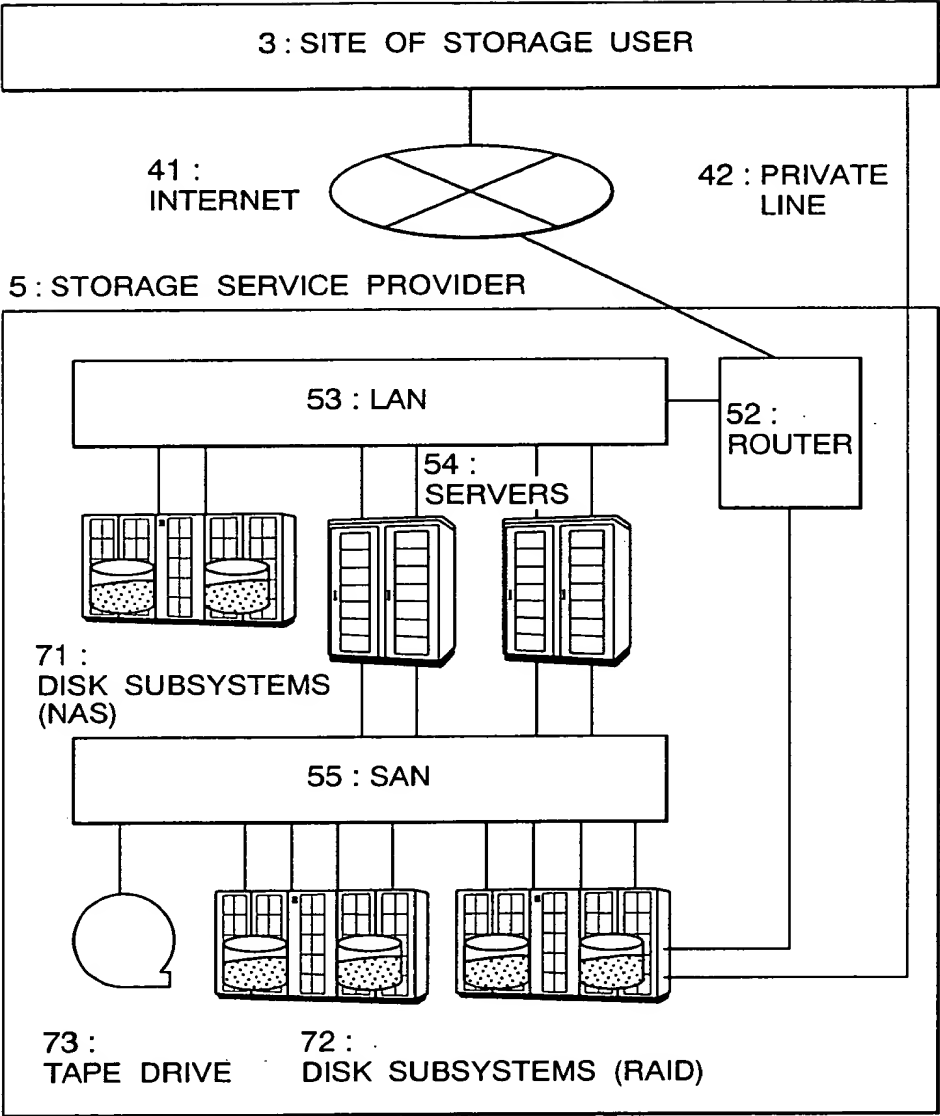


FIG. 19

FIG. 20

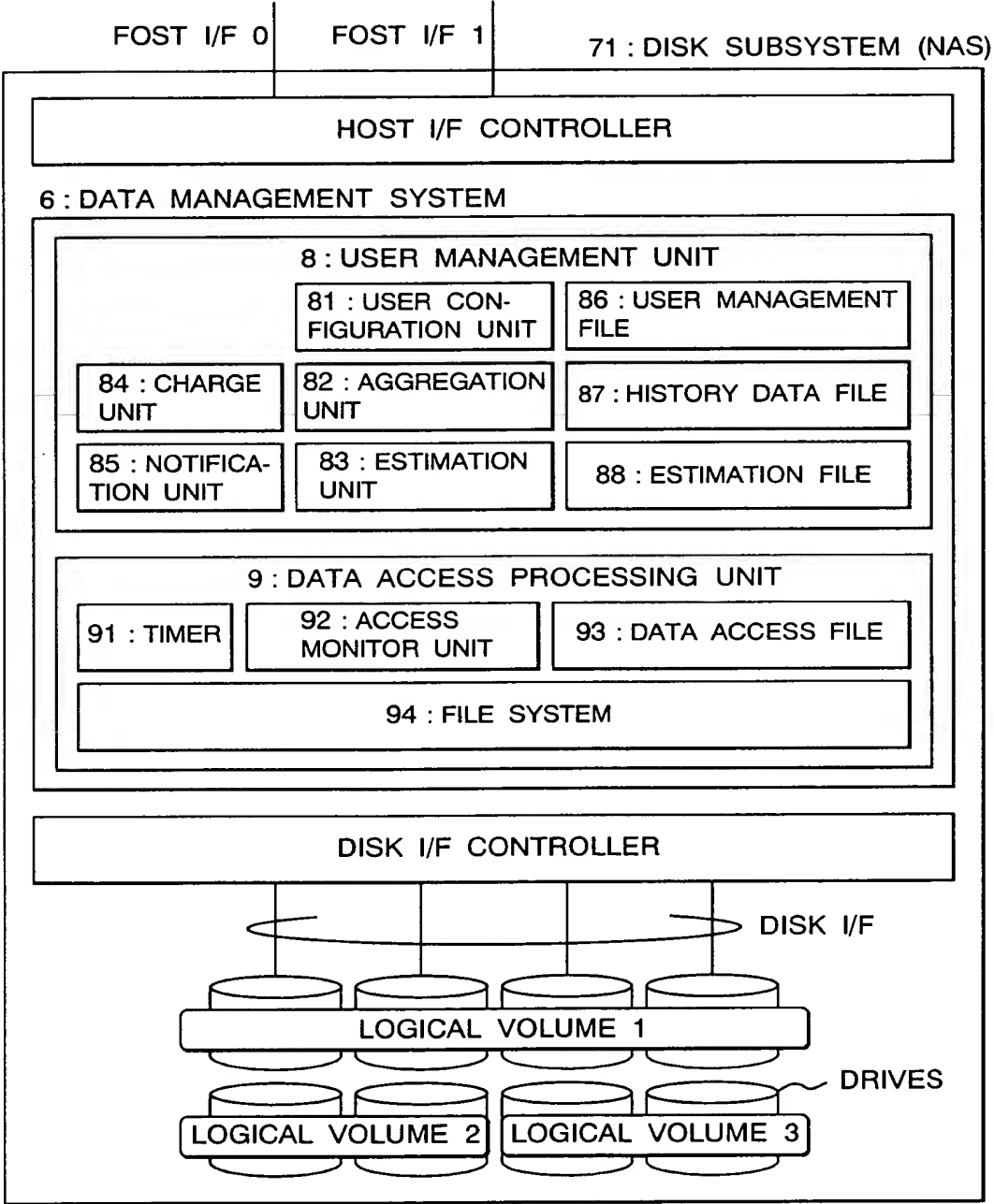


FIG. 20

21/34

FIG. 21

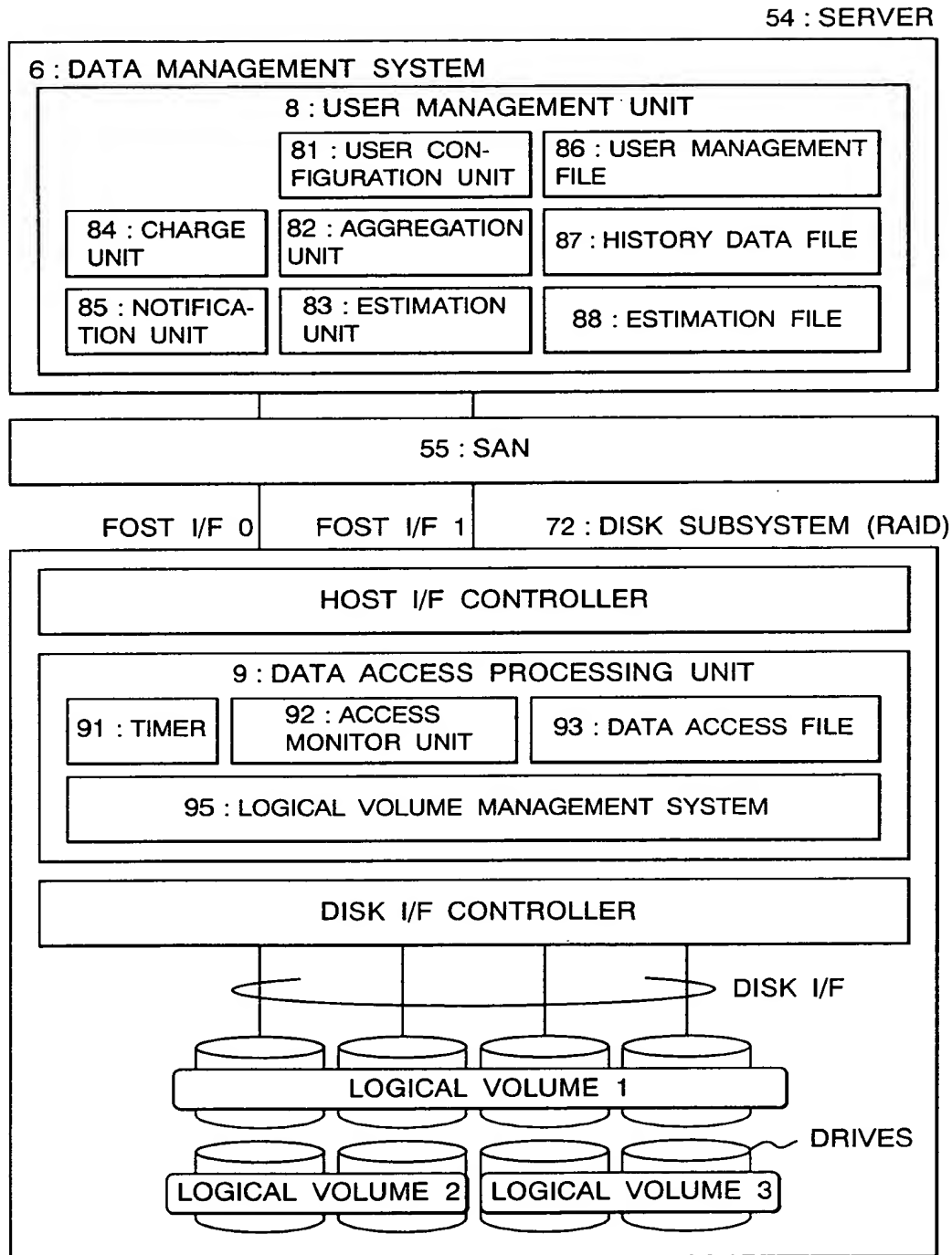


FIG. 21

22/34

FIG. 22

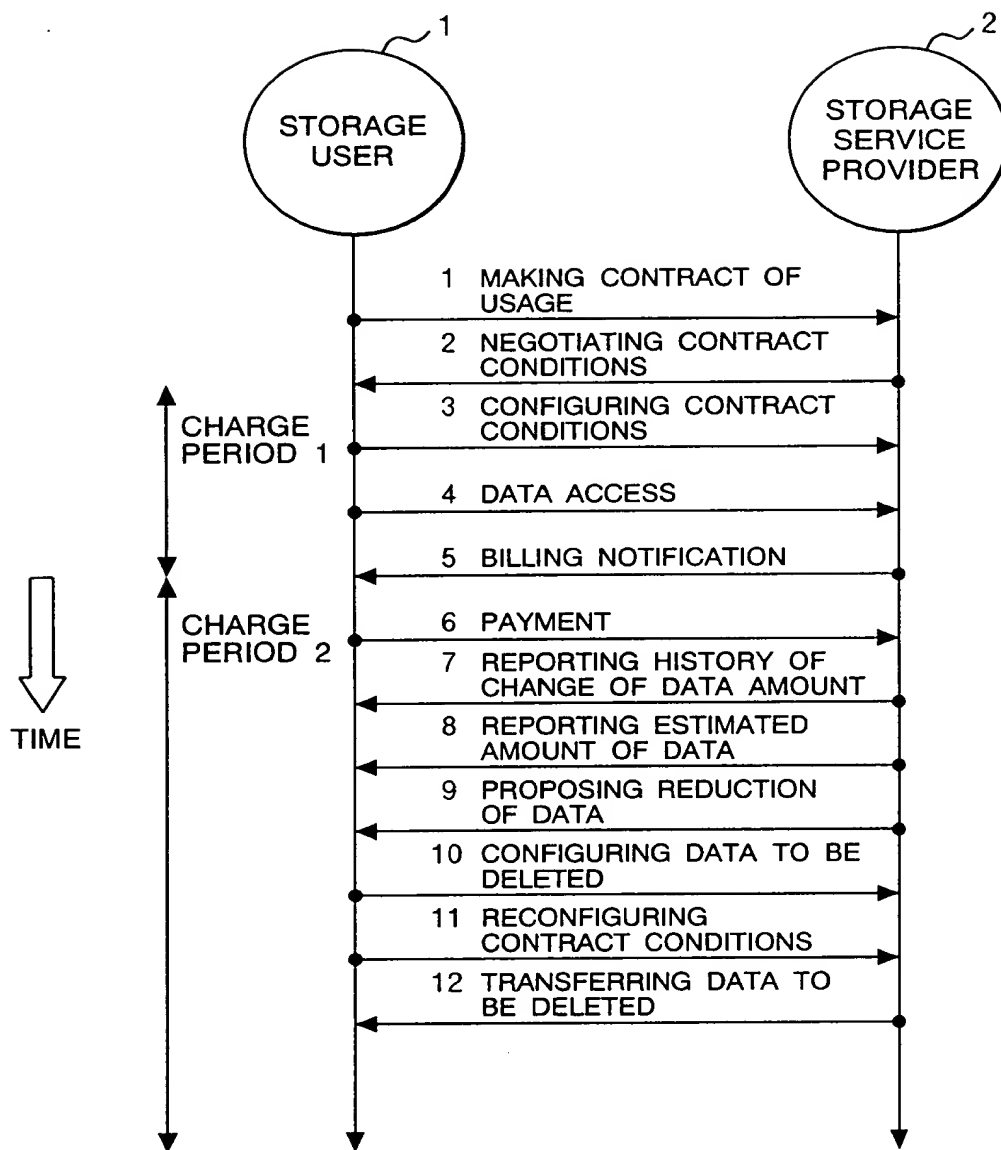


FIG. 23

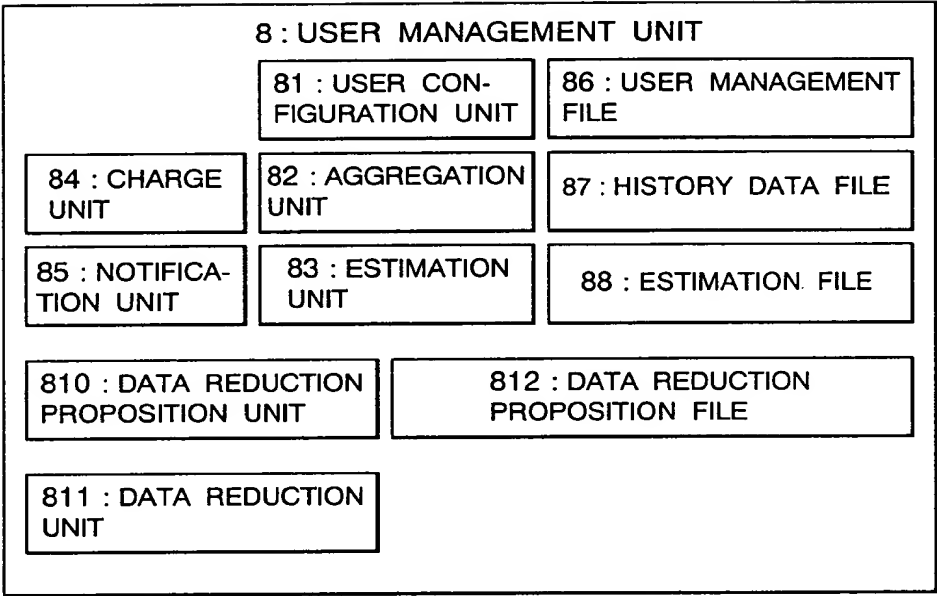


FIG. 23

[illegible][illegible][illegible]

FIG. 25

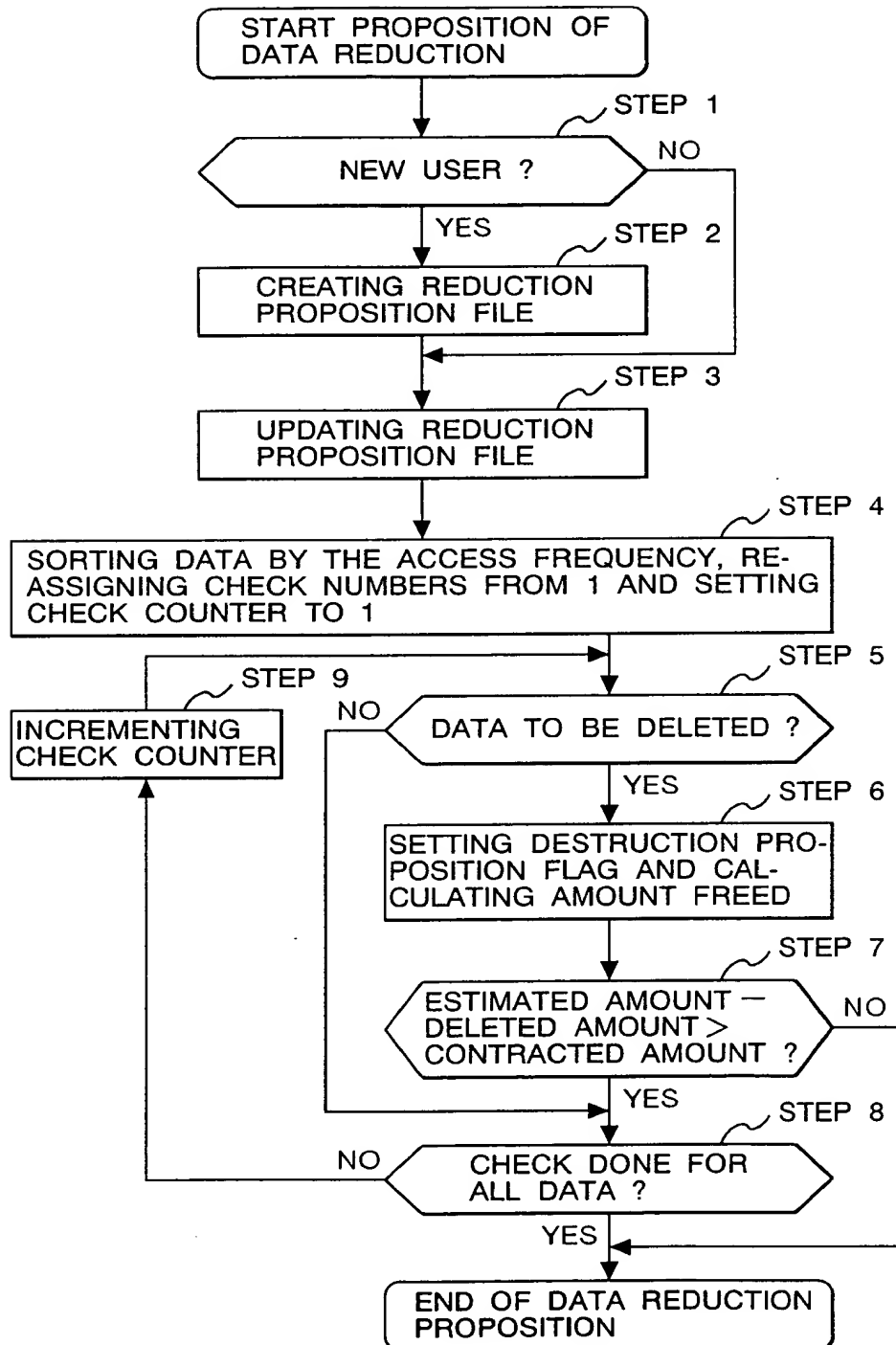


FIG. 25

26/34

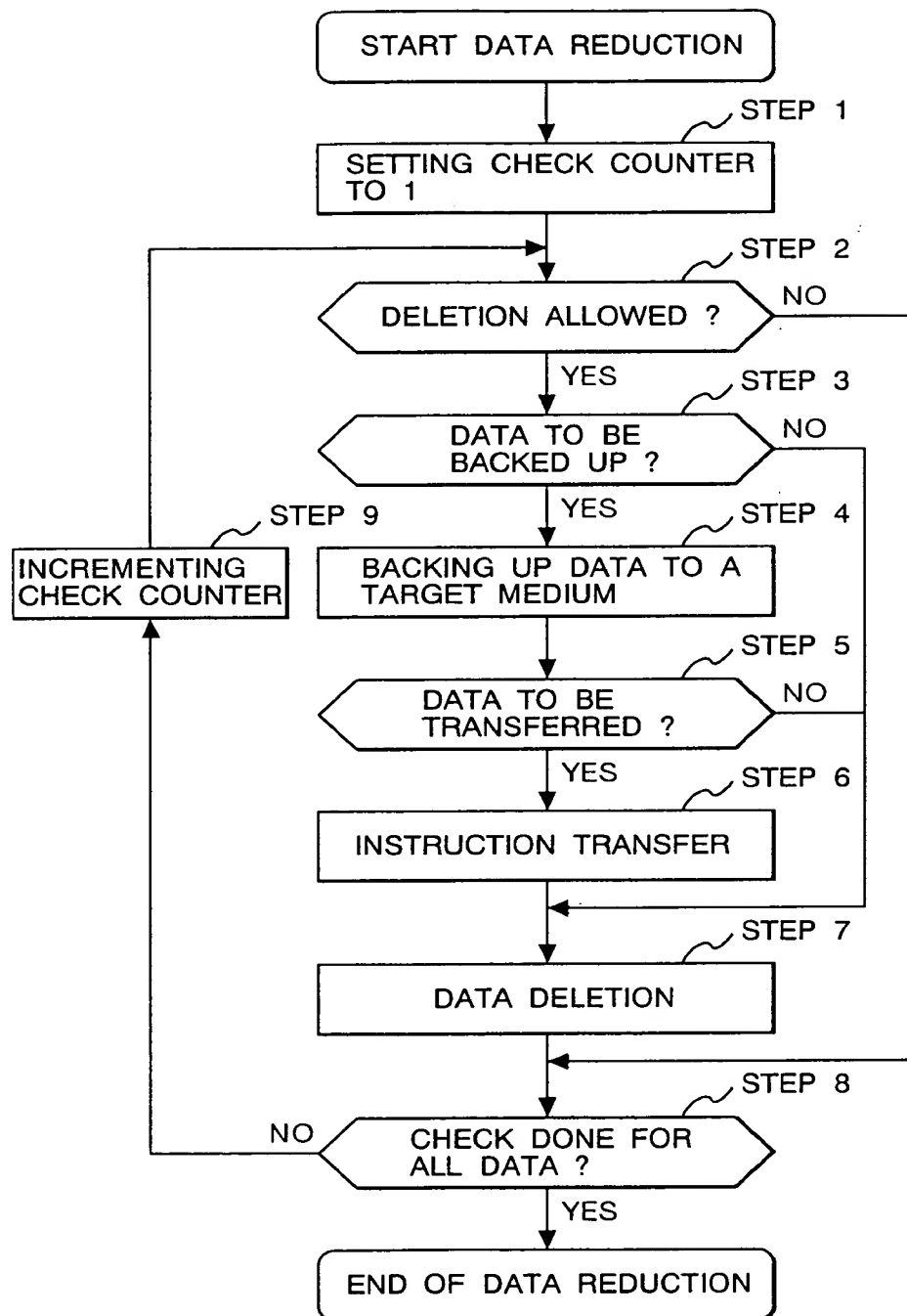

FIG. 26

FIG. 26

FIG. 27

340 : DATA REDUCTION PROPOSITION DISPLAY

















 CLICK BUTTON TO SELECT ITEM TO BE DELETED

SELECT A BACKUP MEDIUM (TAPE OR CD-R)

341 : PROPOSITION LIST

CHECK NUMBER	STORAGE AREA	NAME OF DATA	NON-DELETION OBJECT	DELETION PROPOSED	SUM AFTER DELETION
1	1	1	NON-DELETION	—	0GB
2	1	2	DELETION	PROPOSITION	100GB
3	1	3	DELETION	PROPOSITION	200GB
4	2	4	DELETION	—	200GB
⋮	⋮	⋮	⋮	⋮	⋮

342 : DELETION CONFIGURATION

SET DELETION	NON-DELETION OBJECT	BACK-UP	BACK-UP MEDIUM	TRANSFER DATA TO BE DELETED
				
				
			TAPE	
				
⋮	⋮	⋮	⋮	⋮

343

ACTUAL AMOUNT OF DATA USED =600GB

ESTIMATED AMOUNT IN A MONTH =750GB

PRESENTLY CONTRACTED AMOUNT =700GB

PROPOSED AMOUNT OF DATA =800GB

344

SUM OF DATA TO BE DELETED =200GB

ENTER DESIRED AMOUNT OF DATA

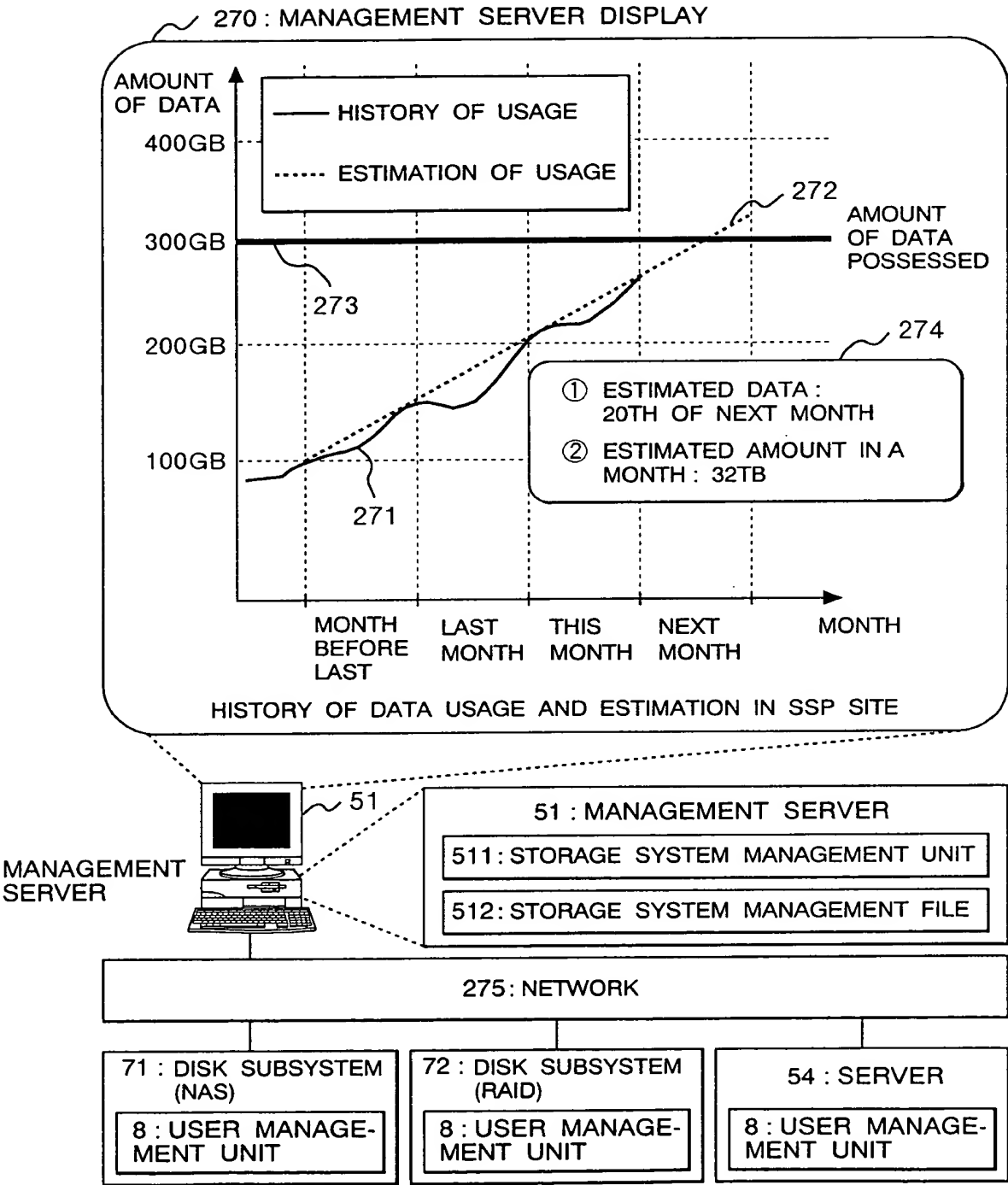
800GB

345

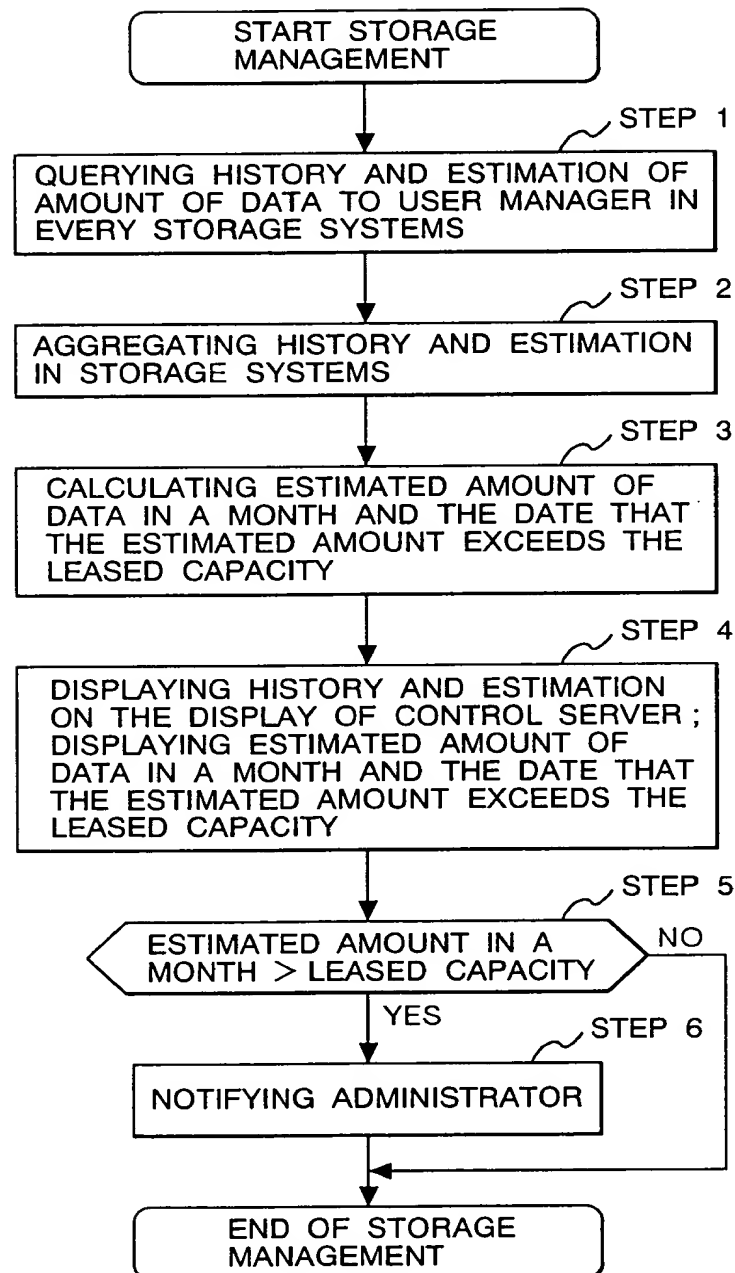
OK

346

FIG. 28



29/34

FIG. 29

F02000-02001000

FIG. 30

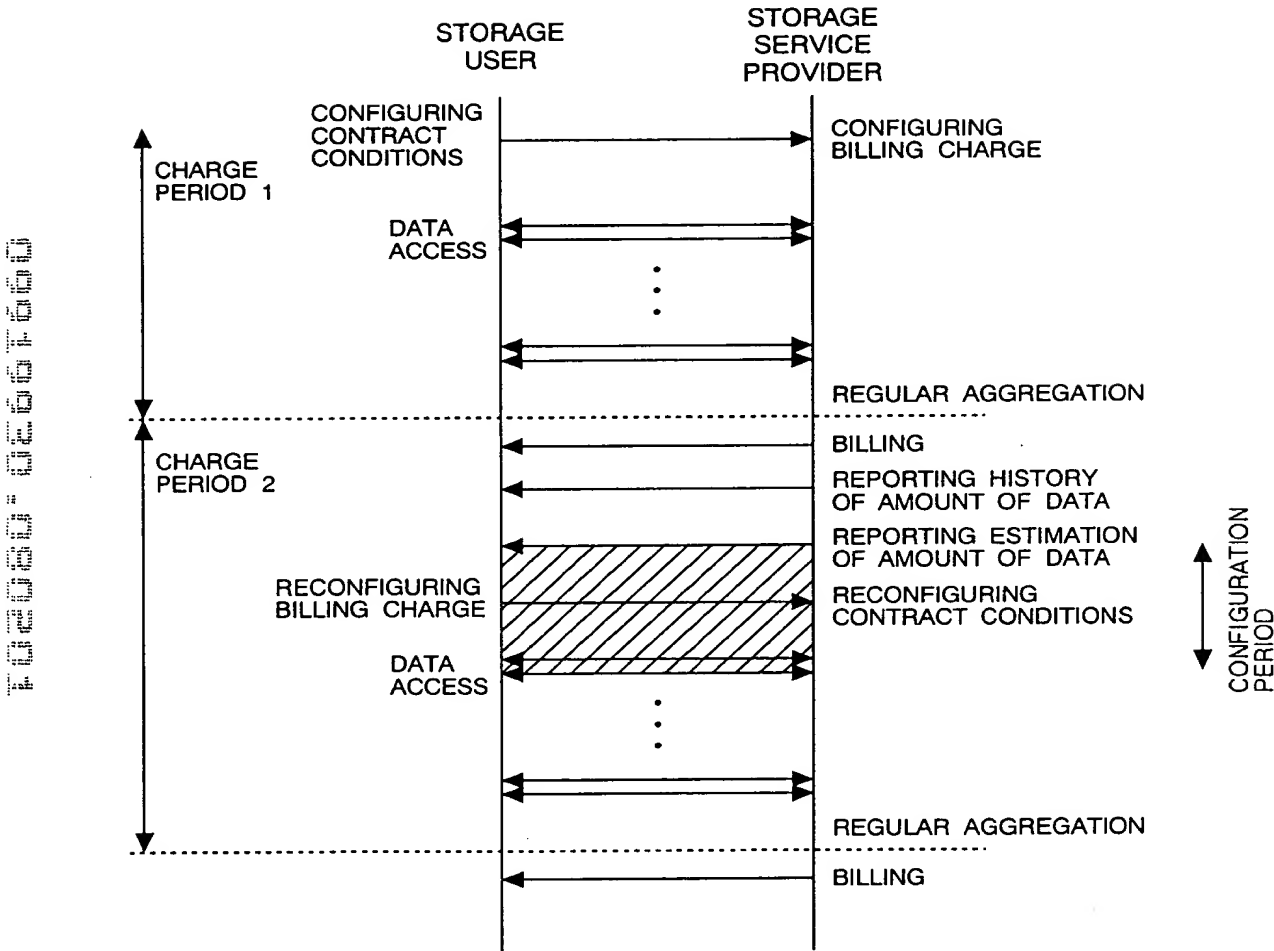


FIG. 31

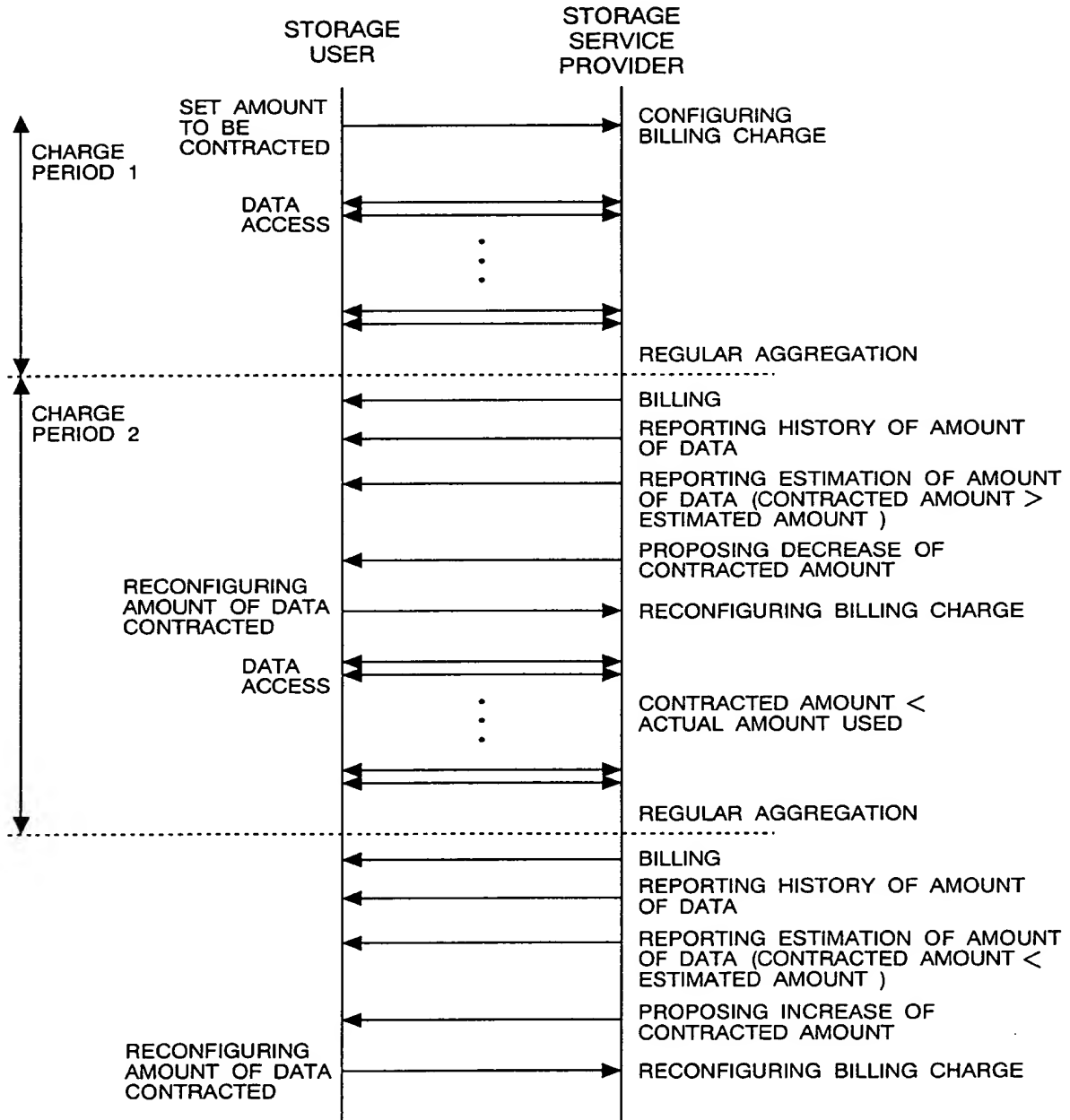


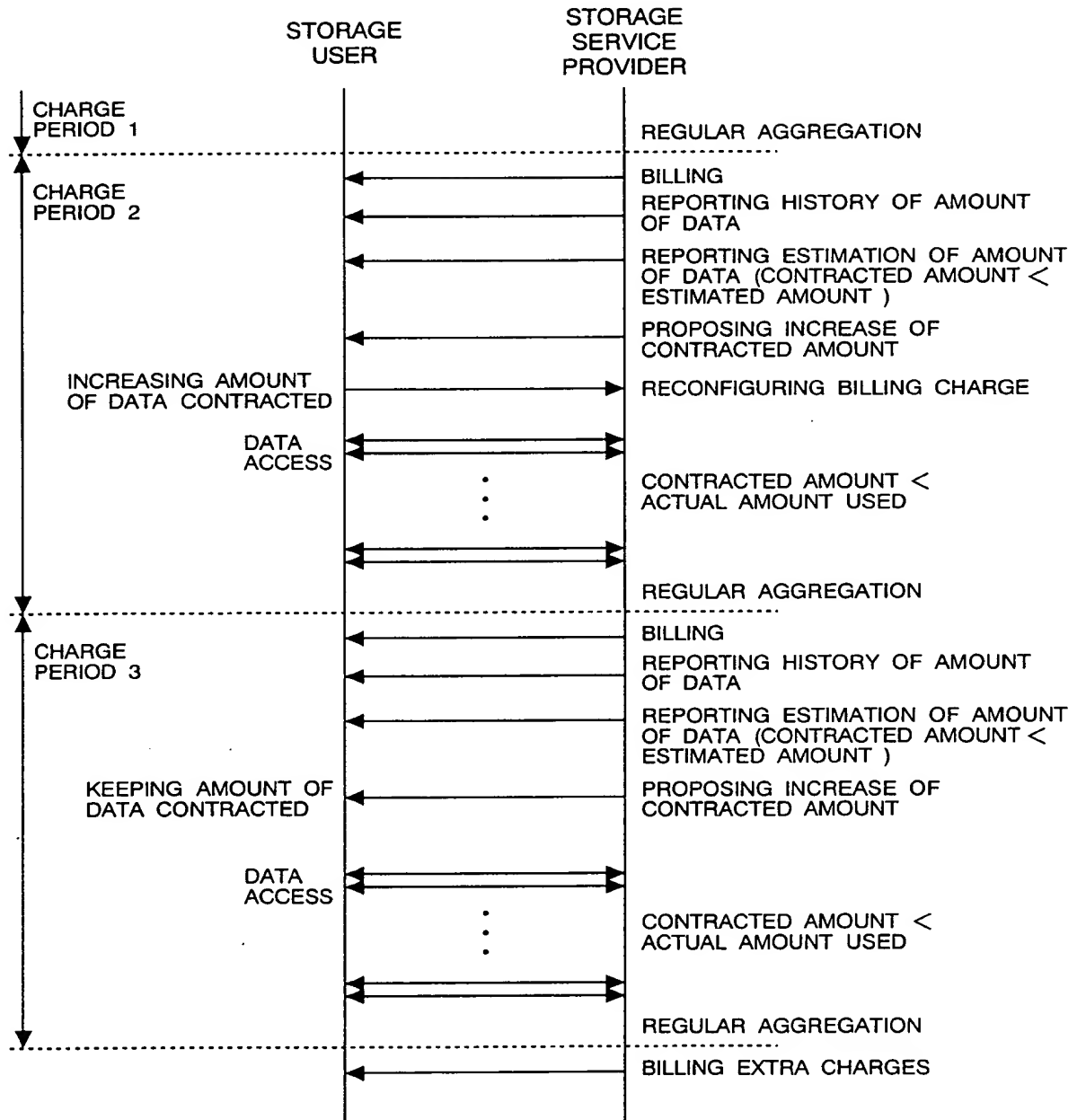
FIG. 32

FIG. 33

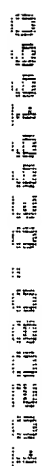


FIG. 34

PRIOR ART

